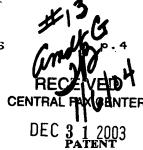
Boulder Patent Services,

303-499-8516



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

OFFICIAL

In re the application of

John E. Mercer

Serial No: 09/898,989

Filed: July 3, 2001

For: BORING TOOL CONTROL USING REMOTE

LOCATOR

Examiner: Sunil Singh

Art Unit: 3673

Attorney Docket: DCI-P015C2

Date December 31, 2003

CERTIFICATE OF FAXING I hereby certify that this correspondence is being faxed to: Commissioner of Patents, A Group 3673, fax number 703-872-9327 on December 31, 2003.

Signed:

Jay R Beyer

Amendment D After Final

Commissioner of Patents P.O. Box 1450 Alexandria, VA 22313

Dear Sir:

The following amendments and remarks are intended as a full and complete response to the outstanding Office Action dated (mailed) October 22, 2003.

DCI-P015C2

USSN 09/898,989